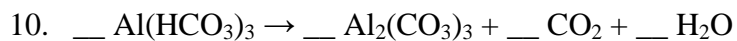
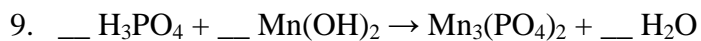
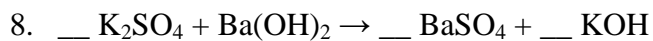
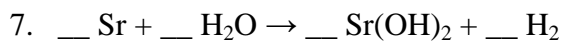
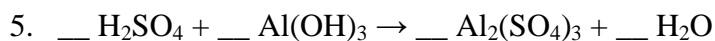
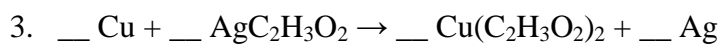
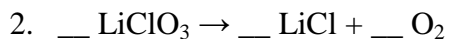
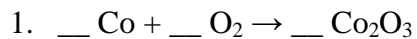


Chem 1020

Chemical equations worksheet

Balance the following chemical equations by using the smallest whole-number coefficients possible.



Convert the following word descriptions into balanced chemical equations with phase labels.

11. Solid lithium nitrate, when heated, decomposes to form solid lithium nitrite and oxygen gas.
12. Perchloric acid and solid barium hydroxide react to form solid barium perchlorate and water.
13. Solid iron and cadmium (II) nitrate solution react to form iron (III) nitrate solution and solid cadmium.
14. Tin and phosphorus solids react to form tin (II) phosphide solid.
15. Copper metal reacts with a solution of silver nitrate to form silver metal and copper (II) nitrate solution. (Silver only forms the Ag^+ ion so no roman numeral is needed in the name silver nitrate.)